

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-60. (canceled).

61. (currently amended) A recombinant mammalian chromosome comprising a an exogenous Group I intron encoded endonuclease site,
wherein the endonuclease site is within an integrated nucleic acid sequence from a vector,
wherein the site is selected from the group consisting of an I-SceIV site, an I-CsmI site, I-PanI site, I-SceII site, an I-CeuI site, an I-PpoI site, an I-SceIII site, an I-CreI site, an I-TevI site, an I-TevII site, an I-TevIII site, and an I-SceI site.

62. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-SceIV site.

63. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-CsmI site.

64. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-PanI site.

65. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-SceII site.

66. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*CeuI* site.

67. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*PpoI* site.

68. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*SceIII* site.

69. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*CreI* site.

70. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*TevI* site.

71. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*TevII* site.

72. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*TevIII* site.

73. (previously presented) The recombinant mammalian chromosome of claim 61, wherein the site is an I-*SceI* site.

74. (previously presented) The recombinant mammalian chromosome of any of claims 61-73, wherein the chromosome is a murine chromosome.

75. (previously presented) The recombinant mammalian chromosome of any of claims 61-73, wherein the chromosome is a mouse chromosome.

76. (previously presented) A recombinant cell comprising the recombinant chromosome of any of claims 61-73.

77. (previously presented) A recombinant cell comprising the recombinant chromosome of claim 74.

78. (previously presented) A recombinant cell comprising the recombinant chromosome of claim 75.

79. (previously presented) The recombinant cell of claim 78, wherein the recombinant cell is a mouse stem cell.